Index to Volume 40

No. 1

E. Zumelzu (Valdivia, Chile)	
Mainstream Engineering Publishing in Latin America: The Chilean Experience	3
D. Todorovsky (Sofia, Bulgaria)	
On the Working Time Budget of the University Teacher	13
M. A. Anwar, A. B. Abu Bakar (Selangor, Malaysia)	
Current State of Science and Technology in the Muslim World	23
Sandra Rousseau, R. Rousseau (Leuven and Diepenbeek, Belgium)	
Data Envelopment Analysis as a Tool for Constructing Scientometric Indicators	45
Sujit Bhattacharya, S. P. Sing, P. Sudhakar (New Delhi, India)	
Tracking Changes in Research Priorities in Physics: A Macro Level Analysis	57
E. Rotto, R. P. Morgan (St. Louis, MO, USA)	
An Exploration of Expert-Based Text Analysis Techniques for Assessing Industrial Relevance in	
U.S. Engineering Dissertation Abstracts	83
R. N. Kostoff, H. J. Eberhart, D. R. Toothman, R. Pellenbarg (Arlington, VA, USA)	
Database Tomography for Technical Intelligence: Comparative Roadmaps of the Research Impact Assessment Literature and the Journal of the American Chemical Society	103
B. M. Gupta (New Delhi, India)	
Analysis of Distribution of the Age of Citations in Theoretical Population Genetics	139
Short Communication	
P. Vinkler (Budapest, Hungary)	
Relation of Relative Scientometric Impact Indicators. The Relative Publication Strategy Index	163
No. 2	
R. J. Davidse, A. F. J. Van Raan (Leiden, The Netherlands)	
Out of Particles: Impact of CERN, DESY and SLAC Research to Fields other than Physics	171

A. L. Rivas, D. J. Wilson, R. N. Gonzalez, H.O. Mohammed, F. W. Quimby, D. H. Lein, R. A. Milligan, R. D. Colle, J. D. Deshler, W. M. K. Trochim (Ithaca, NY, USA) An Interdisciplinary and System-Based Evaluation of Academic Programs: Bovine Mastitis-	
Related Veterinary Research, Education and Outreach	195
W. Shrum (Baton Rouge, LO, USA)	
View from Afar: 'Visible' Productivity of Scientists in the Developing World	215
A. J. Nederhof, E. Van Wijk (Leiden, The Netherlands) Mapping the Social and Behavioral Sciences World-wide: Use of Maps in Portfolio Analysis of	
National Research Efforts	237
Kazuaki Kishida, Sachiko Matsui (Saitama and Ibaraki, Japan)	
International Publication Patterns in Social Sciences: A Quantitative Analysis of the IBSS File	277
D. Urban, T. J. Hoban (Stuttgart, Germany and USA)	
Cognitive Determinants of Risk Perceptions Associated with Biotechnology	299
J. P. Courtial, L. Gourdon (Nantes, France)	
A Scientometric Approach to Autism Based on Translation Sociology	333
No. 3	
H. Small (Philadelphia, PA, USA)	
Comments on Belver C. Griffith, Recipient of the 1997 Derek de Solla Price Award	359
K. Pavitt (Falmer, Brighton, UK)	
Comments on John Irvine and Ben R. Martin, Recipients of the 1997 Derek De Solla Price Award	363
Bluma Peritz (Jerusalem, Israel)	
From the Opening Address of the Conference	367
A. Bookstein, B. Wright (Chicago, IL, USA)	
Ambiguity in Measurement	369
S. Bhattacharya (New Delhi, India)	
Cross-National Comparison of Frontier Areas of Research in Physics Using Bibliometric Indicators	385
M. Bonitz, E. Bruckner, Andrea Scharnhorst (Dresden and Berlin, Germany)	
Characteristics and Impact of the Matthew Effect for Countries	407
Maria Bordons, M. A. Zulueta (Madrid, Spain)	
Comparison of Research Team Activity in two Biomedical Fields	423

G. Czapski (Jerusalem, Israel)	
The Use of Deciles of the Citation Impact to Evaluate Different Fields of Research in Israel	437
R. Danell, L. Engwall, O. Persson (Umeå and Uppsala, Sweden)	
The First Mover and the Challenger: The Relationship between two Journals in Organization	
Research	445
L. Egghe (Diepenbeck and Wilrijk, Belgium)	
Fractal and Informetric Aspects of Hypertext Systems	455
P. Faucompré, L. Quoniam, H. Dou (Marseille, France)	
An Effective Link between Science and Technology	465
W. Glänzel (Frankfurt, Germany)	
On the Possibility and Reliability of Predictions Based on Stochastic Citation Processes	481
L. Grivel, X. Polanco, A. Kaplan (Vandoeuvre-lès-Nancy, France)	
A Computer System for Big Scientometrics at the Age of the World Wide Web	493
B. M. Gupta, Praveen Sharma, C. R. Karisiddappa (New Delhi and Darwad, India)	
Growth of Research Literature in Scientific Specialities. A Modelling Perspective	507
F. Hjortgaard Christensen, Peter Ingwersen, Irene Wormell (Copenhagen, Denmark)	
Online Determination of the Journal Impact Factor and its International Properties	529
J.S. Katz, Diana Hicks (Falmer, Brighton, UK)	
How Much is a Collaboration Worth? A Calibrated Bibliometric Model	541
Terttu A. M. Kortelainen (Oulu, Finland)	
Applying Concepts of Diffusion Research in an Informetric Study	555
M. Krauskopf, María Inés Vera (Valdivia, Chile)	
Assessment of Scientific Profiles and Capabilities of Ph.D. Programs in Chile: A Scientometric	
Approach	569
Hildrun Kretschmer (Berlin, Germany)	
Patterns of Behavior in Coauthorship Networks of Invisible Colleges	579
C. De Lange, W. Glänzel (Nijmegen, The Netherlands and Frankfurt, Germany)	
Modelling and Measuring Multilateral Co-authorship in International Scientific Collaboration. Part I. Development of a New Model Using a Series Expansion Approach	593
W. Glänzel, C. De Lange (Frankfurt, Germany and Nijmegen, The Netherlands)	
Modelling and Measuring Multilateral Co-authorship in International Scientific Collaboration.	
Part II. A Comparative Study on the Extent and Change of International Scientific Collaboration Links	605



Author Index to Volume 40

- ABU BAKR, A. B., see ANVAR, M. A., 23
- ANVAR, M. A., ABU BAKR, A. B.: Current State of Science and Technology in the Muslim World, 23
- BHATTACHARYA, S.: Cross-National Comparison of Frontier Areas of Research in Physics Using Bibliometric Indicators, 385
- BHATTACHARYA, SUJIT; SINGH, S. P.; SUDHAKAR, P.: Tracking Changes in Research Priorities in Physics: A Macro Level Analysis, 57
- BONITZ, M., BRUCKNER, E., SCHARNHORST, ANDREA: Characteristics and Impact of the Matthew Effect for Countries, 407
- BOOKSTEIN, A., WRIGHT, B.: Ambiguity in Measurement, 369
- BORDONS, MARIA; ZULUETA, M. A.: Comparison of Research Team Activity in Two Biomedical Fields, 423
- BRUCKNER, E., see BONITZ, M., 407
- CHRISTENSEN, F. HJORTGAARD; INGWERSEN, P.; WORMELL, IRENE: Online Determination of the Journal Impact Factor and its International Properties, 529
- COLLE, R. D., see RIVAS, A. L., 195
- COURTIAL, J. P., GOURDON, L.: A Scientometric Approach to Autism Based on Translation Sociology, 333
- CZAPSKI, G.: The Use of Deciles of the Citation Impact to Evaluate Different Fields of Research in Israel, 437
- DANELL, R., ENGWALL, L., PERSSON, O.: The First Mover and the Challenger: The Relationship between Two Journals in Organization Research, 445

- DAVIDSE, R. J., VAN RAAN, A. F. J.: Out of Particles: Impact of CERN, DESY and SLAC Research to Fields other than Physics, 171
- DE LANGE, C., GLÄNZEL, W.: Modelling and Measuring Multilateral Co-authorship in International Scientific Collaboration. Part I. Development of a New Model Using a Series Expansion Approach, 593
- DE LANGE, C., see GLÄNZEL, W., 605
- DOU, H., see FAUCOMPRÉ, P., 465
- DRESHLER, J. D., see RIVAS, A. L., 195
- EBERHART, H. J., see KOSTOFF, R. N., 103
- EGGHE, L: Fractal and Informetric Aspects of Hypertext Systems, 455
- ENGWALL, L., see DANELL, R., 445
- FAUCOMPRÉ, P., QUONIAM, L., DOU, H.: An Effective Link between Science and Technology, 465
- GLÄNZEL, W.: On the Possibility and Reliability of Predictions Based on Stochastic Citation Processes, 481
- GLÄNZEL, W., DE LANGE, C.: Modelling and Measuring Multilateral Co-authorship in International Scientific Collaboration. Part II. A Comparative Study on the Extent and Change of International Scientific Collaboration Links, 605
- GLÄNZEL, W., see DE LANGE, C., 593
- GONZALEZ, R. N., see RIVAS, A. L., 195
- GOURDON, L., see COURTIAL, J. P., 333
- GRIVEL, L., POLANCO, X., KAPLAN, A.: A
 Computer System for Big Scientometrics at the
 Age of the World Wide Web, 493

GUPTA, B. M.: Analysis of Distribution of the Age of Citations in Theoretical Population Genetics, 139

GUPTA, B. M.; SHARMA, PRAVEEN; KARISIDDAPPA, C. R.: Growth of Research Literature in Scientific Specialities. A Modelling Perspective, 507

HICKS, DIANA, see KATZ, J. S., 541

HOBAN, T. J., see URBAN, D., 299

INGWERSEN, P., see CHRISTENSEN, F. HJORTGAARD, 529

KAPLAN, A., see GRIVEL, L., 493

KARISIDDAPPA, C. R., see GUPTA, B. M., 507

KATZ, J. S.; HICKS, DIANA: How Much is a Collaboration Worth? A Calibrated Bibliometric Model, 541

KISHIDA, KAZUAKI; MATSUI, SACHIKO: International Publication Patterns in Social Sciences: A Quantitative Analysis of the *IBSS* File, 277

KORTELAINEN, TERTIU, A. M.: Applying Concepts of Diffusion Research in an Informetric Study, 555

KOSTOFF, R. N., EBERHART, H. J., TOOTHMAN, D. R., PELLENBARG, R.: Database Tomography for Technical Intelligence: Comparative Roadmaps of the Research Impact Assessment Literature and the Journal of the American Chemical Society, 103

KRAUSKOPF, M.; VERA, MARÍA, INÉS: Assessment of Scientific Profiles and Capabilities of Ph. D. Programs in Chile: A Scientometic Approach, 569

KRETSCHMER, HILDRUN: Patterns of Behaviour in Coauthorship Networks of Invisible Colleges, 579

LANGE, DE, C., see DE LANGE, C., 593, 605

LEIN, D. H., see RIVAS, A. L., 195

MATSUI, SACHIKO, see KISHIDA, KAZUAKI, 277

MILLIGAN, R. A., see RIVAS, A. L., 195

MOHHAMED, H. O., see RIVAS, A. L., 195

MORGAN, R. P., see ROTTO, E., 83

NEDERHOF, A. J., VAN WIJK, E.: Mapping the Social and Behavioral Sciences World-wide: Use of Maps in Portfolio Analysis of National Research Efforts, 237

PAVITT, K.: Comments on John Irvine and Ben R. Martin, Recipients of the 1997 Derek de Solla Price Award, 363

PELLENBARG, R., see KOSTOFF, R. N., 103

PERITZ, BLUMA: From the Opening Address of the Conference, 367

PERSSON, O., see DANELL, R., 445

POLANCO, X., see GRIVEL, L., 493

QUIMBY, F. W., see RIVAS, A. L., 195

QUONIAM, L., see FAUCOMPRÉ, P., 465

RAAN, VAN, A. F. J., see VAN RAAN, A. F. J., 171

RIVAS, A. L., WILSON, D. J., GONZALEZ, R. N., MOHAMMED, H. O., QUIMBY, F. W., LEIN, D. H., MILLIGAN, R. A., COLLE, R. D., DESHLER, J. D., TROCHIM, W. M. K.: An Interdisciplinary and System-Based Evaluation of Academic Programs: Bovine Mastitis-Related Veterinary Research, Education and Outreach, 195

ROTTO, E., MORGAN, R. P.: An Exploration of Expert-Based Text Analysis Techniques for Assessing Industrial Relevance in U.S. Engineering Dissertation Abstracts, 83

ROUSSEAU, R., see ROUSSEAU, SANDRA, 45

ROUSSEAU, SANDRA; ROUSSEAU, R.: Data Envelopment Analysis as a Tool for Constructing Scientometric Indicators, 45

SCHARNHORST, ANDREA, see BONITZ, M., 407

SHARMA, PARVEEN, see GUPTA, B. M., 507

SHRUM, W.: View from Afar: 'Visible' Productivity of Scientists in the Developing World, 215

SINGH, S. P., see BHATTACHARYA, SUJIT, 57

SMALL, H.: Comments on Belver C. Griffith, Recipient of the 1997 Derek de Solla Price Award, 359 SUDHAKAR, P., see BHATTACHARYA, SUJIT, 57

TODOROVSKY, D.: On the Working Time Budget of the University Teacher, 13

TOOTHMAN, D. R., see KOSTOFF, R. N., 103

TROCHIM, W. M. K., see RIVAS, A. L., 195

URBAN, D., HOBAN, T. J.: Cognitive Determinants of Risk Perceptions Associated with Biotechnology, 299

VAN RAAN, A. F. J., see DAVIDSE, R. J., 171

VAN WUK, E., see NEDERHOF, A. J., 237

VERA, MARÍA, INÉS, see KRAUSKOPF, M., 569

VINKLER, P.: Relation of Relative Scientometric Impact Indicators. The Relative Publication Strategy Index, 163

WUK, VAN, E., see VAN WUK, E., 237

WILSON, D. J., see RIVAS, A. L., 195

WORMELL, IRENE, see CHRISTENSEN, F. HJORTGAARD, 529

WRIGHT, B., see BOOKSTEIN, A., 369

ZULETA, M. A., see BORDONS, MARIA, 423

ZUMELZU, E.: Mainstream Engineering Publishing in Latin America: The Chilean Experience, 3

